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(54) Title: CPG-PACKAGED LIPOSOMES

(57) Abstract: Liposomes are known to enhance the activity of K- (B-) type CpGs which trigger the production of IL-12. In the present invention, the surprising finding was made that liposomes also enhance the activity of D- (A-) type CpGs, leading to the production of IFN $\alpha$  in vivo. These findings are relevant for the humans situation, since IFN $\alpha$  rather than IL-12 is the key cytokine for the induction of Th I responses and anti-viral protection in humans.

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